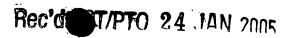


INTERNATIONAL SEARCH REPORT

International application No. PCT/JP03/09412

A. CLASS Int.	SIFICATION OF SUBJECT MATTER C1 H01L21/337, H01L29/80, H0	1L29/808		
According t	to International Patent Classification (IPC) or to both n	ational classification and IPC		
	S SEARCHED			
	ocumentation searched (classification system followed			
lnt.	C1 ⁷ H01L21/337, H01L29/80, H01	1129/808		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2003 Kokai Jitsuyo Shinan Koho 1971-2003 Toroku Jitsuyo Shinan Koho 1994-2003				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where a	opropriate, of the relevant passages	Relevant to claim No.	
Х	US 2001/0024138 Al (Karl-Ott		27,35,36,40,	
Y	27 September, 2001 (27.09.01) Par. Nos. [0071] to [0077];		41 28,29,32,34,	
	& JP 2002-526929 A	19. 5	38,39,42,43,	
	Par. Nos. [0060] to [0066];		46,47	
A		00/19536 A1 1320277 A	30,31,37,44, 45	
Y	JP 2000-252475 A (The Kansai Inc.),	Electric Power Co.,	27-29,32, 34-36,38-43,	
	14 September, 2000 (14.09.00)	,	46,47	
A	Full text; Figs. 1 to 17	İ	30,31,37,44,	
	(Family: none)		45	
Further documents are listed in the continuation of Box C. See patent family annex.				
 Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to 				
considered to be of particular relevance understand the principle or theory underlying the invention "E" earlier document but published on or after the international filing "X" document of particular relevance; the claimed invention cannot be				
date "L" docume	ent which may throw doubts on priority claim(s) or which is	considered novel or cannot be consider step when the document is taken alone	red to involve an inventive	
cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is			when the document is	
"O" docume means	"O" document referring to an oral disclosure, use, exhibition or other combined with one or more other such documents, such			
than the	ent published prior to the international filing date but later e priority date claimed	"&" document member of the same patent i	amily	
	ectual completion of the international search eptember, 2003 (04.09.03)	Date of mailing of the international searce 16 September, 2003	th report (16.09.03)	
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer		
Facsimile N	0	Telephone No.		



INTERNATIONAL SEARCH REPORT

International application No. PCT/JP03/09412

`	tion). DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Category* Y	EP 1119054 A1 (HITACHI LTD.), 25 July, 2001 (25.07.01), Full text; Figs. 1 to 5E & JP 2000-114544 A Full text; Figs. 1 to 5 & US 2002/0109145 A1 & WO 00/19541 A1	32
Y	JP 51-135381 A (Matsushita Electronics Corp.), 24 November, 1976 (24.11.76), Full text; Figs. 1 to 3 (Family: none)	32
Y	JP 2001-196602 A (Hitachi, Ltd.), 19 July, 2001 (19.07.01), Full text; Figs. 1 to 13 (Family: none)	38,39,46,47
Y	JP 2001-144292 A (Denso Corp.), 25 May, 2001 (25.05.01), Full text; Figs. 1 to 8 (Family: none)	38,39,46,47
Y	JP 2000-269518 A (Toshiba Corp.), 29 September, 2000 (29.09.00), Full text; Figs. 1 to 25 (Family: none)	38,39,46,47
A	JP 2000-150912 A (Hitachi, Ltd.), 30 May, 2000 (30.05.00), Full text; Figs. 1 to 11 (Family: none)	1-26,33
A	JP 4-276664 A (Toyota Central Research And Development Laboratories, Inc.), 01 October, 1992 (01.10.92), Full text; Figs. 1 to 10 (Family: none)	1-26,33
A	EP 53854 A1 (PHILIPS ELECTRONIC AND ASSOCIATED INDUSTRIES LTD.), 16 June, 1982 (16.06.82), Full text; Figs. 1 to 14 & JP 57-124469 A Full text; Figs. 1 to 14 & GB 2089119 A & US 4754310 A	12,37